

Fleet Sheet

Haldex

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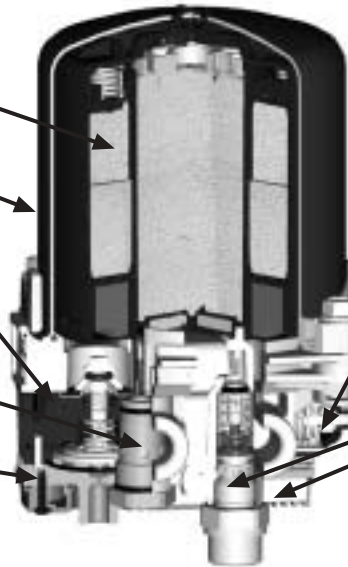
Multi-treatment cartridge employs five stage cleaning to ensure dry system air.

Extra compact size of less than 11 in. tall (even with integrated muffler) allows for easy installation anywhere.

Integrated heater prevents moisture from freezing and damaging the dryer.

Integrated turbo protection valve reduces engine horsepower loss and improves fuel efficiency.

Metri-pack heater connection allows for easy installation.



Integrated 3-bolt SAE mounting bracket allows for easy installation in OEM and existing applications.

Integrated governor improves air dryer's performance and reduces application costs by eliminating existing governor and related piping.

Integrated regeneration valve for system air desiccant regeneration ensures that sufficient system air is available.

Integrated muffler allows for superior quiet operation.

Haldex DRYest Air Dryer

Special Notes:

Purge air is used to "back flush" the dryer's desiccant thereby removing moisture and contaminants. Purge air is stored internally on some dryers such as the PURest, while most others use air stored in the vehicle's wet tank or in a separate purge tank.

Application Information

1. Determine governor type: internal or external (D2 Style).
2. Determine if purge air supply will be from vehicle air brake system (regeneration valve style — similar to Bendix ADSP, Wabco and C/R) or from separate, remote mounted, purge tank.
3. Ideal for vehicles with normal or high air consumption rates. In high consumption applications use with external purge tank.

Competitive Advantages

- ✓ **Five-stage drying process**
Advantage Haldex: Removes up to 99% of contaminants in the compressed air system and eliminates oil while maintaining high water absorption capability.
- ✓ **Exceptional water drying capacity** doesn't impede airflow
Advantage Haldex: And reduces chances of corrosion and freezing problems.
- ✓ **Extended desiccant service life** means
Advantage Haldex: Fewer replacements and reduced maintenance over the life of the vehicle.
- ✓ **Four-bolt slide in-and-out cartridge**
Advantage Haldex: Provides for quick replacement of the dryer cartridge while on the vehicle — with no hard to remove spin-on cartridges with seized threads.
- ✓ **Integrated turbo protection**
Advantage Haldex: Reduces engine horsepower loss and improves fuel efficiency.
- ✓ **Integrated regeneration valve**
Advantage Haldex: Ensures sufficient system air is available.
- ✓ **Integrated muffler**
Advantage Haldex: Allows for superior quiet operation.
- ✓ **High air volume capacity**
Advantage Haldex: Treats up to 30 SCFM.
- ✓ **Built-in heater**
Advantage Haldex: Prevents moisture from freezing and damaging the air dryer, available in 12 and 24 volt.
- ✓ **Compact size**
Advantage Haldex: Provides easier installation into limited spaces.
- ✓ **Lighter assembly weight**
Advantage Haldex: Only 14 lbs. means there's more payload capacity.
- ✓ **Ideal for vehicles with high air consumption**
Advantage Haldex: Including applications such as mixers, transit, coaches, dumps and refuse.

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Haldex DRYest Air Dryer

Cross-Reference Information

The Haldex DRYest is a drop-in retrofit for these Air Dryers:

- ❖ Wabco SS Series
- ❖ Bendix ADSP

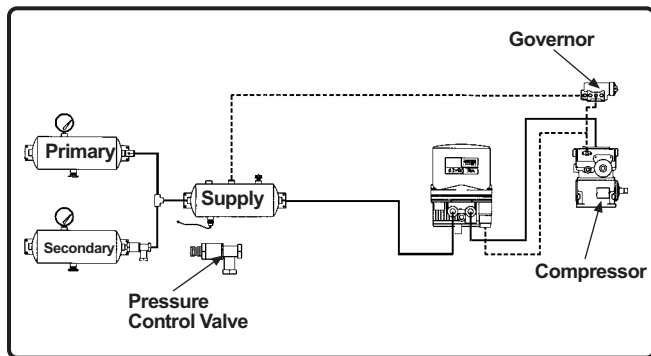
The Haldex DRYest will retrofit these Air Dryers if an auxiliary purge tank is added:

- ❖ Bendix AD2, AD4, AD9, ADIP
- ❖ C/R Brakemaster

Related Items Checklist

- ◆ External Purge Tank
- ◆ Spare MTC Cartridge
- ◆ Compressor Discharge Hose
- ◆ Nylon Air Brake Hose
- ◆ Brass Fittings
- ◆ Air Governor

System Regeneration with External Governor



Warranty

Standard Applications: Three-Year/Unlimited Miles from date of installation.

Severe Duty Applications: Two-Year/7200 Hours from date of installation.

Competitor Overview

- 1) **Bendix AD2, AD4 and C/R Brakemaster**
 - a) No turbo boost pressure loss protection.
 - b) Utilizes only one desiccant type for removal of water and contaminants.
 - c) Difficult to service, usually must remove from vehicle which can take up to 45 minutes.
 - d) Heavier/Taller/Wider than the DRYest.
 - e) Separate purge tank is *required* for the C/R T2000, T3000 and HD2000.
- 2) **Bendix AD9**
 - a) Utilizes only one desiccant type for removal of water and contaminants.
 - b) Difficult to service, usually must remove from vehicle which can take up to 45 minutes.
 - c) Heavier/Taller/Wider than the DRYest.
 - d) Utilizes multiple mounting brackets and bolts.
- 3) **Bendix ADIP**
 - a) Single bolt cartridge susceptible to seized threads.
 - b) Utilizes only one desiccant type for removal of water and contaminants.
 - c) Expensive desiccant service.
 - d) Heavier/Taller/Wider than the DRYest.
 - e) Higher internal resistance to air flow.
- 4) **Bendix ADSP/Wabco SS System Purge**
 - a) Utilizes only one desiccant type for removal of water and contaminants.
 - b) Spin-on filters are often difficult to remove due to seized threads.
 - c) Maximum SCFM ratings for Bendix and Wabco 1000 and 1200 dryers is 25 SCFM -- Cannot be used on high volume applications.
 - d) Higher internal resistance to air flow.

Interchange/Upgrade Programs

Haldex will accept AD9 Dryer cores for credit against the purchase of a new DRYest Air Dryer. See Bulletin L53446 for Interchange/Upgrade Program Explanation.

Available Literature

- L20381 Air Treatment Brochure
- L20408 Air Treatment Fleet ID Guide
- L25046 MTC Data Sheet
- L25044 DRYest Data Sheet
- L53446 Air Dryer Interchange/Upgrade Program
- L90327 Air Dryer Interchange/Upgrade Form

Installation Advisories

- ✓ If oil or sludge is evident, the reservoirs must be flushed. The dryer cannot remove oil that is already in the system.
- ✓ Hoses from compressor must be "downhill" with no low spots for water to accumulate and be at least twelve feet from the compressor.
- ✓ Consult Haldex Technical Services Department when changing purge methods.
- ✓ Discharge hose from compressor should be Teflon lined, braided stainless for the first four feet, then copper the rest of the way to dissipate heat.
- ✓ Mount unit in vertical position only.
- ✓ When using a DRYest with an integrated governor and an air compressor that uses an "Energy Savings Feature" (ESF), use a 3/8" control tube from the dryer to compressor unloader port.